



JOINT STRIKE FIGHTER



Autonomic Logistics

The Support Concept for the 21st Century

JSF Program Office

The Next Generation Strike Fighter



JOINT STRIKE FIGHTER



VISION

**BE THE MODEL ACQUISITION PROGRAM FOR
JOINT SERVICE AND INTERNATIONAL
COOPERATION**

DEVELOP AND PRODUCE AN **AFFORDABLE NEXT
GENERATION STRIKE FIGHTER WEAPON SYSTEM
AND SUSTAIN IT WORLDWIDE**

The Next Generation Strike Fighter



LOGISTICS VISION

- **JSF Logistics Vision**

- Expeditionary to any area of operations, worldwide
- Logistics footprint comprised solely of the weapons, people and fuel needed to generate initial surge operations
- Unprecedented reliability and a robust “Prognostics and Health Management”
- Open system architecture enabling “continually” incorporated new technologies



CURRENT LOGISTICS STRUCTURE



Too Large & Costly



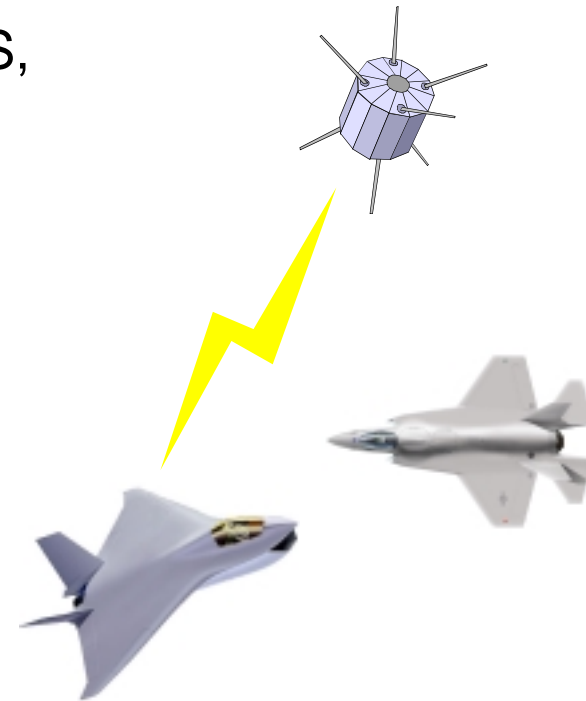
AUTONOMIC LOGISTICS VISION

- **A comprehensive logistics support environment for the JSF which has these key features:**
 - A highly reliable aircraft which encompasses Prognostics and Health Management
 - A technologically enabled maintainer
 - A Joint Distributed Information System
 - A logistics infrastructure that is sufficiently responsive to support requirements



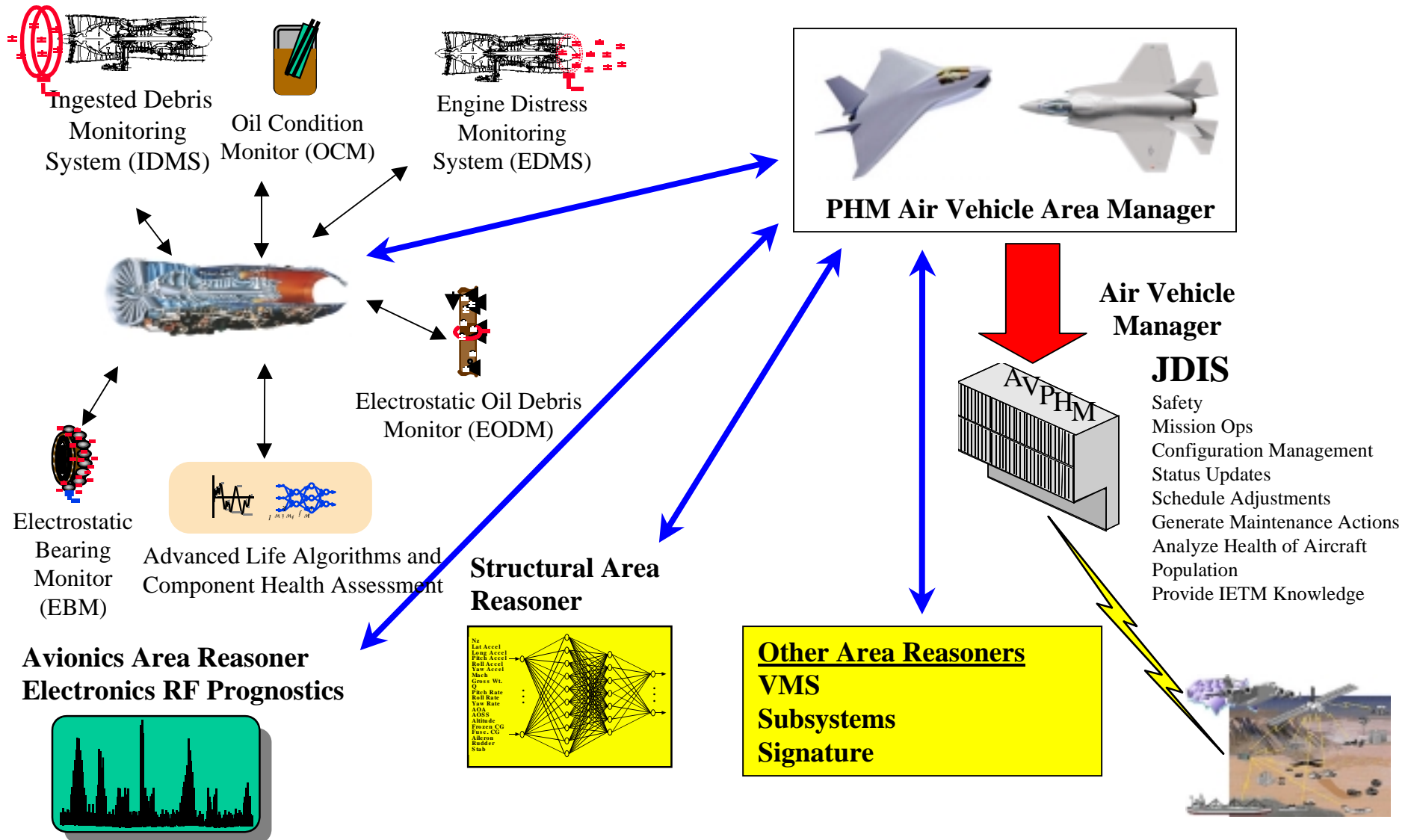
PHM GOALS

- **Eliminate Calendar and Component Usage-Based Scheduled Maintenance**
- **Maximize Lead Time for Maintenance and Parts Procurement for Unscheduled Maintenance**
- **Identify Systems for Impending Failures or Problems**
 - Structures, Subsystems, Mission Systems, VMS, Propulsion, Signature, and JDIS are the Focus Areas
- **Provide Real Time Notification and Understanding of an Upcoming Maintenance Event at all Levels of the JSF Logistics Chain**





PROGNOSTICS AND HEALTH MANAGEMENT (PHM)





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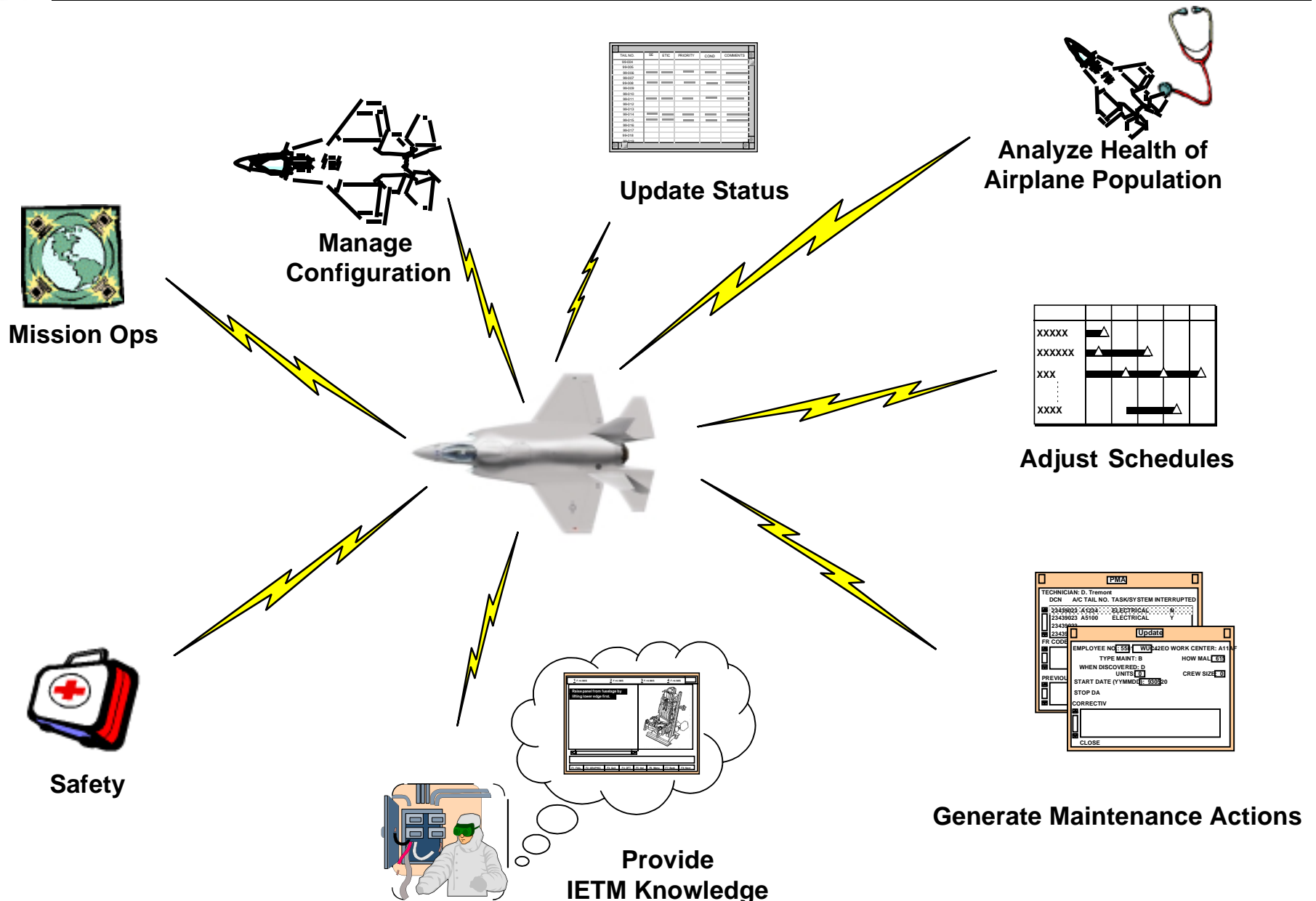


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JDIS FUNCTIONALITY



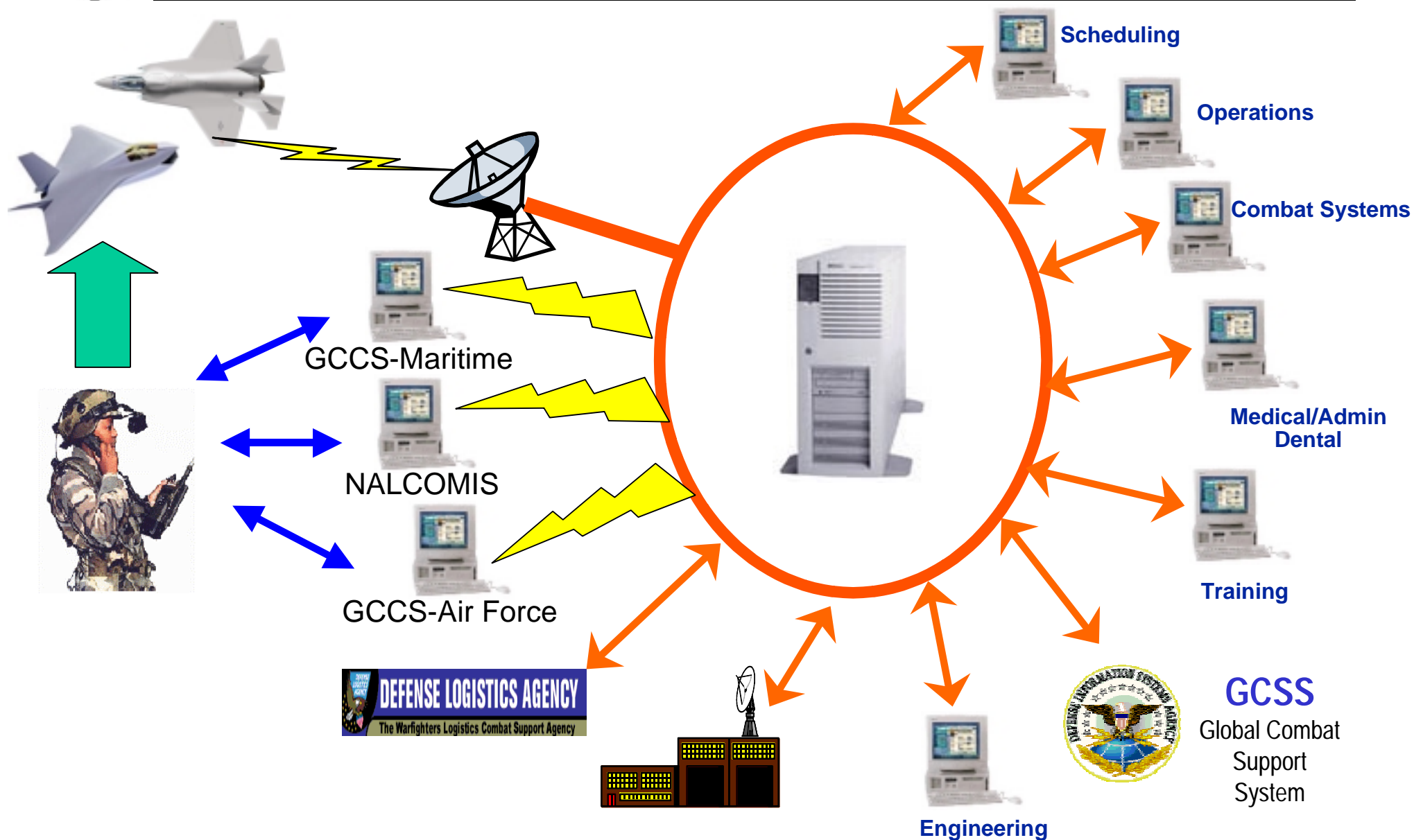
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JDIS Enables the JSF Autonomic Logistics System to Work With All DoD/Service and Industry Information Systems in an Intelligent and Seamless Method



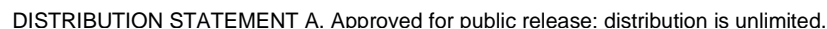
Contractor Parts & Service Support

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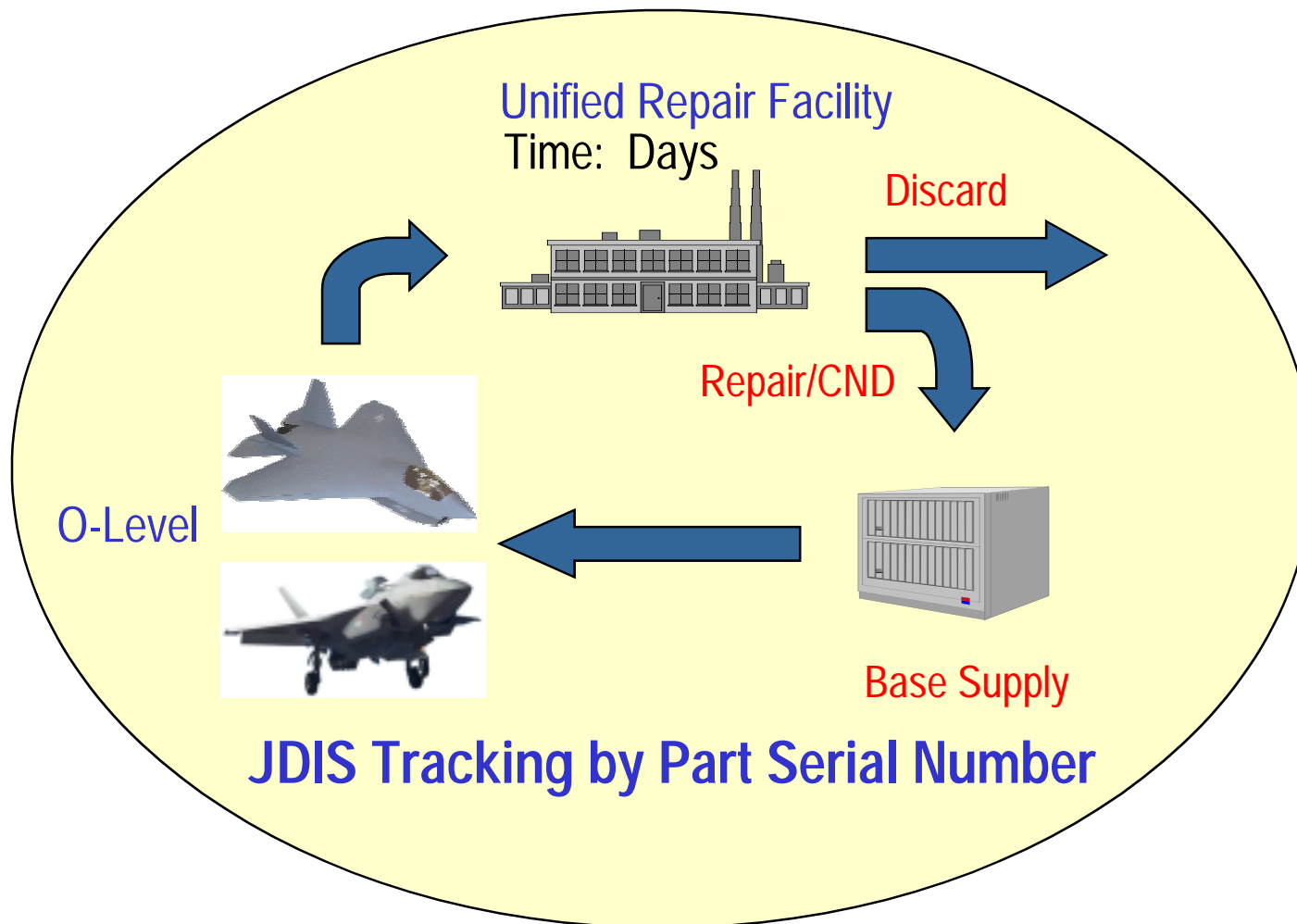
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FUTURE LOGISTICS INFRASTRUCTURE



Streamlined, Fast & Interactive



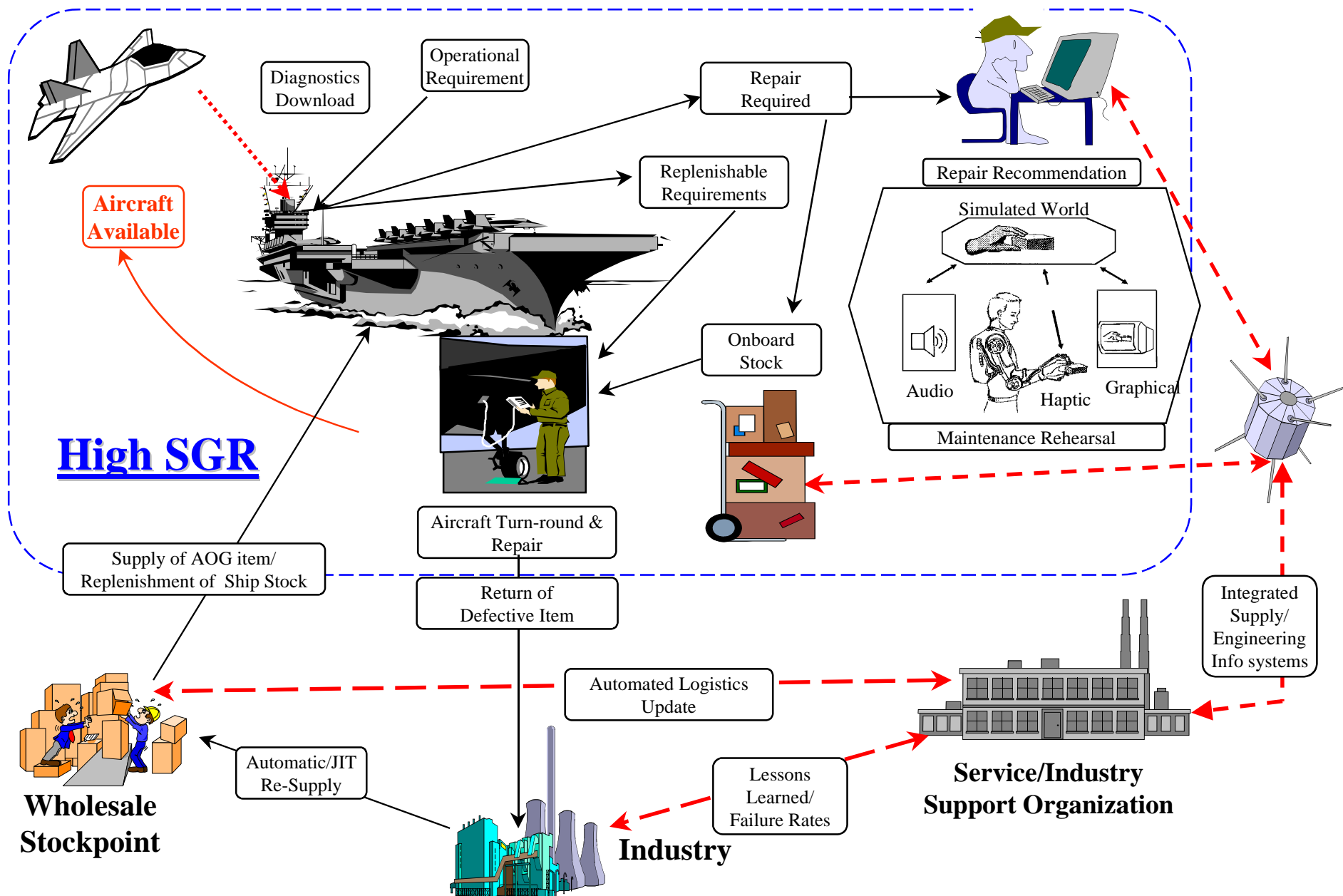
LESSONS LEARNED FROM TODAY'S PROGRAMS



Building on Best Practices

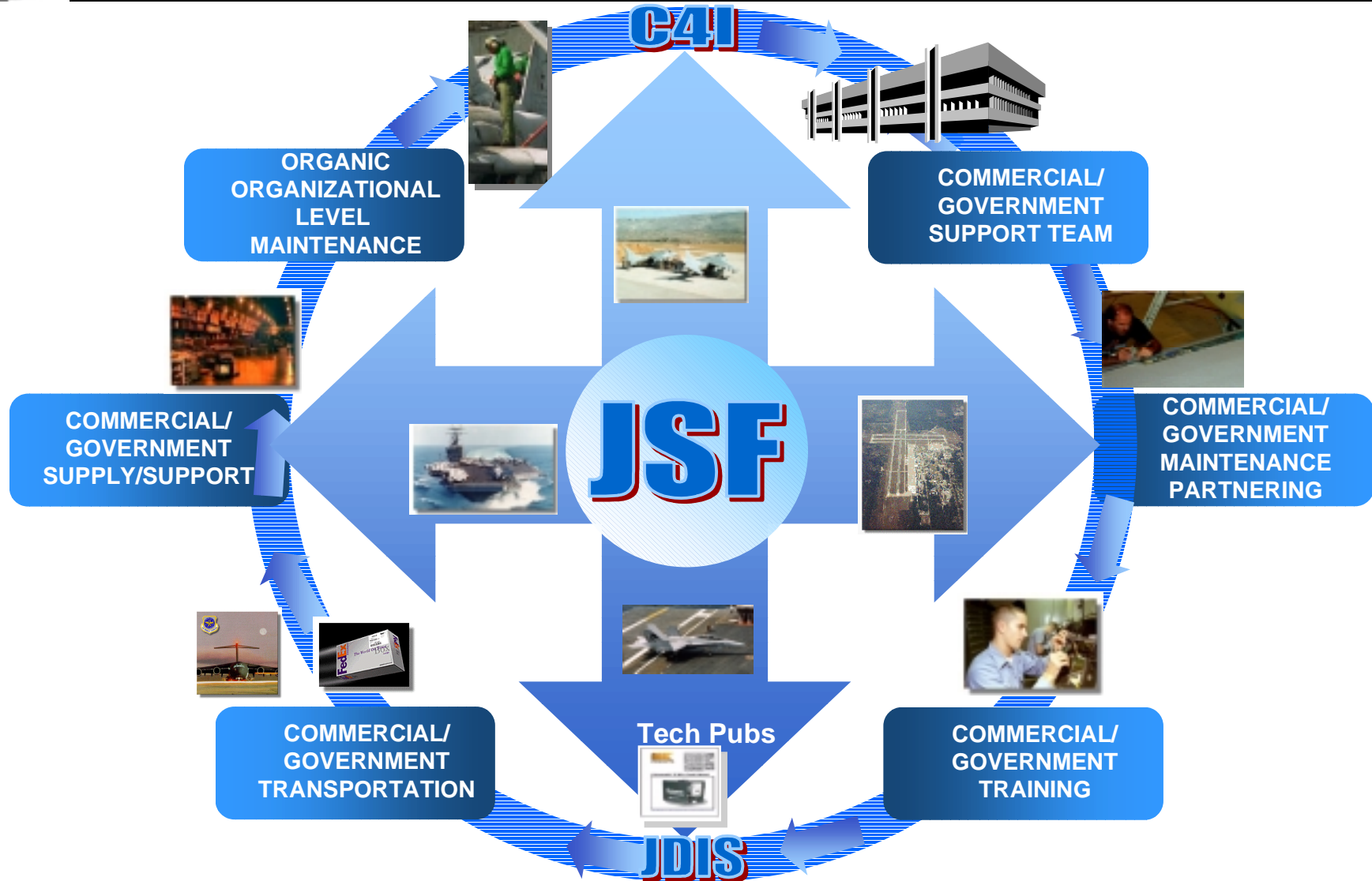


AUTONOMIC LOGISTICS STRUCTURE





AUTONOMIC LOGISTICS INFRASTRUCTURE



Lean, Responsive Logistics Infrastructure



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